



DECLARATION OF PERFORMANCE

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No: 04 – DoP – 04/08/2010

305/2011/EU Construction Products Regulation

Description of the Product	: Expanded Polystyrene Insulated Sandwich Panels
Intended Use of the Construction Material According to the Relevant Harmonized Technical Specifications	: Metal Faced Insulating Panel For Use In Buildings
Registered Trade Name of the Manufacturer	: Teknopanel Çatı ve Cephe Panelleri Üretim San.Tic. Ve A.Ş.
Contact Address of the Manufacturer	: Mersin Tarsus OSB 7. Cad. No:10, 33443, Akdeniz, MERSİN
System or System of the Construction Product	: System 3

The construction product, which is in compliance with the harmonized standart TS EN 14509:2013, has been utilized in case of the stability of the performance and has been carried out under System 3 based on type estimates, the values given in the table or explanatory documents by the approved laboratory, ERA/2184. In conclusion, declaration of performance has been executed under hand and seal based on the experimental report which is 2184-CPD-01004.

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Declared Performance :

Essential Characteristics	Performance	Harmonized Technical Specification
Shear Strength	Min 0,05 Mpa	TS EN 14509
Shear Modulus	Min. 3 MPa	
Compressive Strength	Min. 0,080 MPa	
Shear Stress Long Term Loading (t=1.000 hours - t=2.000 hours - t=100.000 hours)	0,050 Mpa 0,045MPa 0,040MPa	
Cross Panel Tensile Strength	Min. 0,060 MPa	
Cross panel Tensile Strength at Elevated Temperatures	Min. 0,050 MPa	
Bending Moment Capacity and Stiffness (for roofs)	Positive: min. 3,7 kNm/m Negative: min. 2,3 kNm/m	
Bending Moment Capacity and Stiffness (for walls)	Positive: min. 4,4 kNm/m Negative: min. 4,4 kNm/m	
Wrinkling Strength (for roofs)	Positive: min. 150 MPa Negative: min. 100 MPa	
Wrinkling Strength (for walls)	Positive: min. 185 MPa Negative: min. 185 MPa	
Bending Moment Capacity Over a Central Support (for roofs)	Positive: min. 4,30 kNm/m Negative: min. 2,40 kNm/m	
Bending Moment Capacity Over a Central Support (for walls)	Positive: min. 3,30 kNm/m Negative: min. 3,30 kNm/m	
Wrinkling Stress Over a Central Support (for roofs)	Positive: min. 170 MPa Negative: min. 110 MPa	
Wrinkling Stress Over a Central Support (for walls)	Positive: min. 140 MPa Negative: min. 140 MPa	
Reaction to Fire Class	E	13501-1

Mechanical properties for covering metals; Steel Surfaces- Thickness Tolerance (EN 10143) Nominal Yield Strength: Min. 220 N/mm².

Core materials specifications; Thermal Conductivity Max. 0,038 W/mK – Density 16(+/- 1) kg/m³ – Dimensional Stability (EN 13163) DS(70,90)1.

RE-5S/RE-3S codes for roof panel products. WE-SP/WE-SM codes for facade panels.

The construction material, which is identified above has the declared performance. This declaration of performance is issued under the responsibility of Teknopanel Çatı ve Cephe Panelleri Üretim San. ve A.Ş.

Signed for and on behalf of the manufacturer by :

Orhan Kahveci

General Manager



teknopanel

Teknopanel Çatı ve Cephe Panelleri Üretim San. ve Tic. A.Ş.
Mrk.: Mersin - Tarsus OSB 7. Cadde No: 10 Akdeniz - Mersin
Tel : 0324 676 47 47 (pbx) Faks: 0324 676 47 48
/ V.D. 8360357388 Mersis No: 3459 2712 9664 1458 / 7